

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2620347	sandwich or sandwiched or three or sandwiching	US-PGPUB; USPAT	ADJ	ON	2007/05/03 07:56
L2	484619	weld or welding or welded or braze or brazing or brazed	US-PGPUB; USPAT	ADJ	ON	2007/05/03 07:56
L3	803485	flange or lip or mantle or ridge	US-PGPUB; USPAT	ADJ	ON	2007/05/03 07:57
L4	1014	1 with 2 with 3	US-PGPUB; USPAT	ADJ	ON	2007/05/03 07:57
L5	13	4 same (honeycomb or monolith or substrate)	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:00
L6	1798119	recess or recessed or inserted or insert	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:00
L7	511229	lip or rim or mantle or ridge	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:00
L8	1908075	pipe or housing or tube	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:01
L9	26715	6 same 7 same 8	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:01
L10	99	9 and (catalytic converter or exhaust manifold) and flange	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:03
L11	1326277	(pipe or tube)	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:03
L12	884764	coupling	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:03
L13	27899	11 near3 12	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:04
L14	416	13 same 3 same 2	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:11
L15	29	14 same 1	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:08
L16	76797	basket or honeycomb	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:12
L17	0	16 with 2 with into with 8	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:12
L18	214	16 with 2 with 8	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:28
L19	21	pipe with (filter or basket) with 2 with 3	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:33
L20	1	"4576800".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:34
L21	1	"5482681".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:35

## EAST Search History

L22	42016	welded together	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:35
L23	14268	catalytic converter	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:35
L24	28547	catalytic converter or exhaust manifold	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:35
L25	534	24 and 22	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:37
L26	18577	exhaust manifold	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:37
L27	11	26 with 22	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:43
L28	1915	flange with 22	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:43
L29	2	28 same basket	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:44
L30	235	28 with between	US-PGPUB; USPAT	ADJ	ON	2007/05/03 08:44
L43	2	09/834983	US-PGPUB; USPAT	ADJ	ON	2007/05/03 09:11
L44	41	"5008086"	US-PGPUB; USPAT	ADJ	ON	2007/05/03 09:11
L55	33	(US-20050142043-\$ or US-20050013749-\$ or US-20050180899-\$ or US-20040156759-\$ or US-20040052697-\$ or US-20040258583-\$ or US-20040075276-\$ or US-20060067860-\$ or US-20020150518-\$).did. or (US-6605259-\$ or US-4420933-\$ or US-4448754-\$ or US-4328187-\$ or US-4279864-\$ or US-4261170-\$ or US-5408827-\$ or US-6669912-\$ or US-6685888-\$ or US-6667013-\$ or US-5314665-\$ or US-4457141-\$ or US-4142864-\$ or US-5351483-\$ or US-4155980-\$ or US-4078381-\$ or US-6464257-\$ or US-6631928-\$ or US-5653478-\$).did. or (WO-9927240-\$).did. or (JP-2002030928-\$ or JP-07259551-\$ or JP-2000248931-\$ or JP-08168840-\$).did.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:51
L56	0	v-groove and 55	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:50

## EAST Search History

L57	0	v-shape and 55	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:50
L58	138238	v-shaped or v-shape or v-groove or v-grooved	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:51
L59	5924	58 same 2	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:52
L60	24	59 and catalytic converter	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:58
L61	150	58 with flange with 2	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/03 09:59
L62	663113	inward or inwardly	US-PGPUB; USPAT	ADJ	ON	2007/05/03 10:07
L63	1418376	angle or angled	US-PGPUB; USPAT	ADJ	ON	2007/05/03 10:07
L64	19226	62 near2 63	US-PGPUB; USPAT	ADJ	ON	2007/05/03 10:07
L65	1363	64 with flange	US-PGPUB; USPAT	ADJ	ON	2007/05/03 10:07
L66	22	65 with 2	US-PGPUB; USPAT	ADJ	ON	2007/05/03 10:10
L67	2600	58 with 2	US-PGPUB; USPAT	ADJ	ON	2007/05/03 11:13
L68	10635	v-groove or v-grooved	US-PGPUB; USPAT	ADJ	ON	2007/05/03 11:13
L69	226	68 with 2	US-PGPUB; USPAT	ADJ	ON	2007/05/03 11:16
L70	5	69 with (strong or strength or stronger)	US-PGPUB; USPAT	ADJ	ON	2007/05/03 11:18
L71	11	69 with flange	US-PGPUB; USPAT	ADJ	ON	2007/05/03 11:18
L72	10	("1933340"   "3296412"   "3582608"   "3742184"   "3832522"   "3839619"   "3843866").PN. OR ("4029933").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/03 11:21
S1	1	"6508981".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:47
S2	1850	422/177.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:06
S3	319575	cast or casting	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:06

## EAST Search History

S4	85	S2 and S3	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:14
S5	2688	422/177,180.ccls. or 29/890.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:14
S6	193961	one piece	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:15
S7	144	S5 and S6	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:15
S8	15561	S6 same flange	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:15
S9	12	S8 and S5	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:22
S10	53895	S3 near3 (mold or molding)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:23
S11	63658	S3 near3 (mold or molding or molded)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:23
S12	14	S11 and S5	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:23
S13	4	("5139844"   "5447697").PN. OR ("6258328").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:26
S14	700074	weld or welding or welded	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:27
S15	931443	annular\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:27
S16	17456	S14 near7 S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:27
S17	51	S16 and S5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:31
S18	19	((("6001314") or ("6552294") or ("20020172626") or ("6624113") or ("6464945") or ("6455463") or ("6391822") or ("6361821") or ("6354903") or ("6338827") or ("6643928") or ("6623704") or ("6605259") or ("6591497") or ("6532659") or ("6497847") or ("6464947") or ("6438839") or ("6159430"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/01 14:33

## EAST Search History

S19	21	("3892537"   "3990859"   "4261170"   "4279864"   "4328187"   "4335078"   "4448754"   "5220789"   "5250269").PN. OR ("6605259").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:36
S20	23	("3065595"   "3109715"   "3166895"   "3441381"   "4096691"   "4117675"   "4182120").PN. OR ("4261170").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:48
S21	23	("3065595"   "3109715"   "3166895"   "3441381"   "4096691"   "4117675"   "4182120").PN. OR ("4261170").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:55
S22	5	("4261170"   "4383410"   "5265420"   "5271477").PN. OR ("5438828").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 14:55
S23	16	("3964875"   "3968645"   "4005576"   "4151717"   "4182120"   "4395876"   "4559776"   "5031401"   "5293743"   "5388407"   "5410877"   "5438828"   "5674461"   "5845748"   "6009706"   "6082103").PN. OR ("7132087"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 15:22
S24	75	exhaust manifold same (weld or welding or welded) same muffler same flange	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 15:26
S25	0	S24 and S5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 15:23
S26	332	exhaust manifold and S5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 15:26
S27	7	("4142864"   "4347219"   "4396664"   "4397817"   "5555621"   "5656245").PN. OR ("6685888"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 15:48
S28	10	("3751920"   "4215093"   "4775518"   "4985163"   "5351483"   "5816043").PN. OR ("6555070"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 16:12
S29	6	("3754870"   "3770389"   "4186172"   "4282186"   "4785781").PN. OR ("5314665"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 16:53
S30	6	("4180544"   "4282186"   "4385032").PN. OR ("4457141"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:01

## EAST Search History

S31	23	("3065595"   "3109715"   "3166895"   "3441381"   "4096691"   "4117675"   "4182120").PN. OR ("4261170").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:06
S32	19	("3180712"   "3236044"   "3302394"   "3783619"   "3793830"   "3808806"   "3824788"   "3853483"   "3911676").PN. OR ("3968645").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:12
S33	390	S32 or S31 or S30 or S29 or S28 or S27 or S26 or S25	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:12
S34	404	S33 or S21 or S20 or S18	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:13
S35	28	S34 and (cast or casting or casted) and (weld or welding or welded)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:44
S36	2	SiMo and S5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/01 17:44
S37	29	SiMo and exhaust	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:49
S38	7595	Silicon near3 Molybdenum	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:49
S39	46	S38 same exhaust	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:50
S40	989146	substrate or honeycomb or monolith	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:38
S41	2688	422/177,180.ccls. or 29/890.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:39
S42	203320	lip	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:39
S43	1133508	housing or casing or manifold	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:39
S44	93	S40 with S42 with S43	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:40
S45	4	S44 and S41	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:41
S46	14254	catalytic converter	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:42
S47	7	S44 and S46	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:42
S48	3	S47 not S45	US-PGPUB; USPAT	ADJ	ON	2007/05/02 07:47

## EAST Search History

S49	11	insert with lip with (seal or sealed or sealing) same (weld or welding or welded)	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:06
S50	160	285/285.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:07
S51	0	S50 and S46	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:07
S52	3	exhaust and S50	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:08
S53	48819	"285".clas.	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:08
S54	14254	catalytic converter	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:08
S55	120	S53 and S54	US-PGPUB; USPAT	ADJ	ON	2007/05/02 08:08
S56	10	("3169785"   "3574361"   "4204707"   "5112088"   "5299841"   "5534676"   "5542715"   "5813704"   "6415603").PN. OR ("6902202").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:14
S57	50	("3645092"   "3845621"   "3864909"   "3891396"   "3902853"   "3948611"   "3966419"   "3982396"   "3990856"   "4078381"   "4083182"   "4143513"   "4161509"   "4186172"   "4188783"   "4235846"   "4248833"   "4250146"   "4353872"   "4353873"   "4420933"   "4444721"   "4444725"   "4448754"   "4457141"   "4511536"   "4559776"   "4748807"   "4782661"   "4795616"   "5094073"   "5104627"   "5145215"   "5167430"   "5173267"   "5190732"   "5248859"   "5272875"   "5293743"   "5410877"   "5488826"   "5656245"   "5674461"   "5726119"   "5730946"   "5736690"   "5758497"   "5775100"   "5782089"   "5881553").PN. OR ("6669912"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:18
S58	5	("3653205"   "3703083"   "3991566").PN. OR ("4078381"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:43
S59	24639	exhaust manifold	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:43

## EAST Search History

S60	1354935	annular or radial	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:43
S61	2417734	annular or radial or ring	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:09
S62	35749	S61 near3 lip	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 08:44
S63	18	S62 and S59 and ("285".clas. or "422".clas. or S43.clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:00
S64	24	S59 and S53 and lip	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:00
S65	15	S64 not S55	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:00
S66	37	("0839090"   "0954549"   "0992680"   "1133320"   "2864630"   "3139294"   "3165339"   "3480301"   "3492834"   "3573870"   "4088347"   "4428603"   "4463959"   "4751938"   "4756561"   "5076313"   "5149147").PN. OR ("5393108").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:04
S67	2961410	annular or radial or ring or circular	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:09
S68	454048	lip or mantle	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:09
S69	1558333	outward or outwardly	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:10
S70	12478	S67 with S68 with S69	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:10
S71	700074	weld or welded or welding	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:10
S72	662	S70 same S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:19
S73	399	S72 same flange	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:11



## EAST Search History

S74	1497467	seal or sealed or sealant or sealing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:11
S75	425	S72 and S74	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:12
S76	38	S75 and exhaust	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:12
S77	56	("0247591"   "1167895"   "1203602"   "1246427"   "1505121"   "1744467"   "1968715"   "2014355"   "2196671"   "2216468"   "2358291"   "2470989"   "2514059"   "2712456"   "2931669"   "3549780"   "3692337"   "3820829"   "3997192"   "4121860"   "4511162"   "4659117"   "4748836"   "4792161"   "4854611"   "4875716"   "4958860"   "5013072"   "5145215"   "5174612"   "5358287"   "5482330"   "5506376"   "5511828"   "5639127"   "5653478").PN. OR ("6464257"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:21
S78	17	("1505121"   "2434224"   "2936185"   "4484771"   "4854611").PN. OR ("5653478"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:30
S79	113	S72 same pipe	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:31
S80	110	S79 not cwik.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:33
S81	649	mantle same S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:34
S82	126	S81 same S69	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:39
S83	1446	285/417,418,419.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:41
S84	692149	inset or insert	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:41

## EAST Search History

S85	378	S84 same exhaust near2 manifold	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:41
S86	43	S85 same S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:41
S87	19	("1844611"   "3094394"   "3211534"   "3445196"   "3449086"   "3544264"   "3730691"   "3775064"   "3801289"   "3823555"   "3824788"   "3838977").PN. OR ("3925026").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:55
S88	1220209	inward or inwardly	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:56
S89	615260	taper or tapered	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:56
S90	52766	S88 near5 S89	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:56
S91	328	S90 with S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 09:57
S92	323	S91 not anderson.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:45
S93	1	"20060176651"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:46
S94	169	V-groove near4 S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:48
S95	163	S94 not krallman	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:49
S96	163	S94 not krallman.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:49
S97	146	S96 not michael.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 10:49
S98	2	("2146901").URPN.	USPAT	ADJ	ON	2007/05/02 11:42
S99	83599	v-shaped or v-groove	USPAT	ADJ	ON	2007/05/02 11:43
S10 0	20993	tapered near4 edge	USPAT	ADJ	ON	2007/05/02 11:44

## EAST Search History

S10 1	194	S100 with S99	USPAT	ADJ	ON	2007/05/02 11:44
S10 2	9	S101 same S71	USPAT	ADJ	ON	2007/05/02 11:44
S10 3	33	("3749662"   "4014779"   "4100055"   "4169031"   "4324631"   "4385979"   "4457825"   "4657654"   "4826584").PN. OR ("5009765").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 11:47
S10 4	76271	flange with S71	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 11:48
S10 5	17250	S104 same (casing or housing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 11:49
S10 6	339	S104 same (exhaust manifold or catalytic converter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 11:51
S10 7	6	("3935705"   "5408827"   "5444978"   "5782088"   "6182446").PN. OR ("6667013"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 12:07
S10 8	40	("3817714"   "3852042"   "3898803"   "3992157"   "4004887"   "4023361"   "4161509"   "4335078"   "4353873"   "4360957"   "4362700"   "4432943"   "4448754"   "4457141"   "4662911"   "4707341"   "4707987"   "4735046"   "4831822"   "4887427"   "4900282"   "5042249"   "5100351"   "5167934"   "5212949").PN. OR ("5408827"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 12:09
S10 9	30	("3817714").URPN.	USPAT	ADJ	ON	2007/05/02 12:17
S11 0	40	("3817714"   "3852042"   "3898803"   "3992157"   "4004887"   "4023361"   "4161509"   "4335078"   "4353873"   "4360957"   "4362700"   "4432943"   "4448754"   "4457141"   "4662911"   "4707341"   "4707987"   "4735046"   "4831822"   "4887427"   "4900282"   "5042249"   "5100351"   "5167934"   "5212949").PN. OR ("5408827"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 12:27
S11 1	151794	weld or welded or welding	EPO; JPO	ADJ	ON	2007/05/02 13:30

## EAST Search History

S11 2	2894	catalytic converter or exhaust manifold	EPO; JPO	ADJ	ON	2007/05/02 13:30
S11 3	6091	catalytic converter or exhaust manifold	EPO; JPO	ADJ	ON	2007/05/02 13:30
S11 4	114517	flange	EPO; JPO	ADJ	ON	2007/05/02 13:31
S11 5	0	S111 and S114 and lip and S113	EPO; JPO	ADJ	ON	2007/05/02 12:28
S11 6	125	S111 and S114 and S113	EPO; JPO	ADJ	ON	2007/05/02 12:28
S11 8	28516	catalytic converter or exhaust manifold	US-PGPUB; USPAT	ADJ	ON	2007/05/02 13:30
S11 9	461420	weld or welded or welding	US-PGPUB; USPAT	ADJ	ON	2007/05/02 13:30
S12 0	98731	flange	US-PGPUB	ADJ	ON	2007/05/02 13:31
S12 1	541197	flange	US-PGPUB; USPAT	ADJ	ON	2007/05/02 13:31
S12 2	21	(S118 and S119 and S121).ab.	US-PGPUB; USPAT	ADJ	ON	2007/05/02 13:34
S12 3	23020	lip or mantle	EPO; JPO	ADJ	ON	2007/05/02 13:35
S12 4	300209	annular or circular or radial	EPO; JPO	ADJ	ON	2007/05/02 13:35
S12 5	70	S123 and S124 and S111	EPO; JPO	ADJ	ON	2007/05/02 13:43
S12 6	304652	sandwich or sandwiched or sandwiching	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:43
S12 7	1085550	flange	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:43
S12 8	700074	weld or welding or welded	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:44
S12 9	1979	S126 same S127 same S128	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:44
S13 0	72	S129 and ("422".clas. or S43.clas. or "285".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 13:45

## EAST Search History

S13 1	25	("0523583"   "0797152"   "1726483"   "1786506"   "2738993"   "3527481"   "3606400"   "3621674"   "3851903"   "4101150"   "4350372"   "4536018"   "4700576"   "4854611"   "5116087"   "5197188").PN. OR ("6631928"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 16:31
S13 2	37304	"228".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 16:33
S13 3	95	228/168.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 16:35
S13 4	46480	S67 near4 S68	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 16:36
S13 5	87	S134 and flange and "228".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/02 16:36